



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/714,820
Source: 1/FWO -
Date Processed by STIC: 1/30/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

DATE: 01/30/2004

PATENT APPLICATION: US/10/714,820

TIME: 12:16:20

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

3 <110> APPLICANT: BERENYI, MARIA
 4 BURG, KORNEL
 5 GICHUKI, SIMON T.
 6 SCHMIDT, JOSEF
 8 <120> TITLE OF INVENTION: METHOD FOR ANALYZING DNA OF SWEET POTATO
 10 <130> FILE REFERENCE: SONN:043US
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/714,820
 13 <141> CURRENT FILING DATE: 2003-11-17
 15 <150> PRIOR APPLICATION NUMBER: PCT/EP02/05216
 16 <151> PRIOR FILING DATE: 2002-05-13
 18 <150> PRIOR APPLICATION NUMBER: A 777/2001
 19 <151> PRIOR FILING DATE: 2001-05-16
 21 <160> NUMBER OF SEQ ID NOS: 35
 23 <170> SOFTWARE: PatentIn Ver. 2.1
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 195
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence
 30 <220> FEATURE:
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 32 Primer
 34 <400> SEQUENCE: 1
 35 gaggggaagt gtaggactc ttagtctaga ctacttctag tattactata cttctacata 60
 36 ttgtatttat atttctcctg tgtaattgtg tacgactgat atacagaatt attcaatcct 120
 37 aatcaatgtc atagcaacat agaactcaag aaagaaatga gcggagaggt aatgaggttt 180
 38 tactcaggac tcac 195
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 10
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 47 Primer
 49 <400> SEQUENCE: 2
 50 taagactaag 10
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 18
 54 <212> TYPE: DNA
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 59 Primer
 61 <400> SEQUENCE: 3

4,6
 Does Not Comply
 Corrected Diskette Reader

RAW SEQUENCE LISTING

DATE: 01/30/2004

PATENT APPLICATION: US/10/714,820

TIME: 12:16:20

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

```

62 agactaagag tcctaaca 18
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 19
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
71     Primer
73 <400> SEQUENCE: 4
74 agactaagag tcctaacag 19
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 19
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
83     Primer
W--> 84 <400> SEQUENCE: 5
85 agactaagag tcctaacat 19
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 19
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
94     Primer
96 <400> SEQUENCE: 6
97 agactaagag tcctaacaa 19
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 20
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
106     Primer
108 <400> SEQUENCE: 7
109 agactaagag tcctaacagc 20
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 20
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
118     Primer
120 <400> SEQUENCE: 8
121 agactaagag tcctaacaga 20
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 20
125 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

DATE: 01/30/2004

PATENT APPLICATION: US/10/714,820

TIME: 12:16:20

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

```

126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
130     Primer
132 <400> SEQUENCE: 9
133 agactaagag tcctaacagg                                20
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 20
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
142     Primer
144 <400> SEQUENCE: 10
145 agactaagag tcctaacata                                20
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 20
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
154     Primer
156 <400> SEQUENCE: 11
157 agactaagag tcctaacatg                                20
159 <210> SEQ ID NO: 12
160 <211> LENGTH: 20
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
166     Primer
168 <400> SEQUENCE: 12
169 agactaagag tcctaacatc                                20
171 <210> SEQ ID NO: 13
172 <211> LENGTH: 20
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
178     Primer
180 <400> SEQUENCE: 13
181 agactaagag tcctaacaaa                                20
183 <210> SEQ ID NO: 14
184 <211> LENGTH: 20
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
190     Primer

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/714,820

DATE: 01/30/2004

TIME: 12:16:20

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

```

192 <400> SEQUENCE: 14
193 agactaagag tcctaacaag 20
195 <210> SEQ ID NO: 15
196 <211> LENGTH: 20
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
202     Primer
204 <400> SEQUENCE: 15
205 agactaagag tcctaacaac 20
207 <210> SEQ ID NO: 16
208 <211> LENGTH: 17
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
214     Primer
216 <400> SEQUENCE: 16
W--> 217 mgnaaarc ayathga ) see error explanation on p.6 17
219 <210> SEQ ID NO: 17
220 <211> LENGTH: 17
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
226     Primer
228 <400> SEQUENCE: 17
W--> 229 gongayatny unachaa see p.6 17
231 <210> SEQ ID NO: 18
232 <211> LENGTH: 17
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
238     Primer
240 <400> SEQUENCE: 18
241 gactgcgtac caattca 17
243 <210> SEQ ID NO: 19
244 <211> LENGTH: 17
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
250     Primer
252 <400> SEQUENCE: 19
253 ctcgtagact gggtagc 17
255 <210> SEQ ID NO: 20
256 <211> LENGTH: 15

```

RAW SEQUENCE LISTING

DATE: 01/30/2004

PATENT APPLICATION: US/10/714,820

TIME: 12:16:20

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

```

257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
262     Primer
264 <400> SEQUENCE: 20
265 aattggtacg cagtc                                     15
268 <210> SEQ ID NO: 21
269 <211> LENGTH: 19
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
275     Primer
277 <400> SEQUENCE: 21
278 gactgcgtac caattcaag                                   19
280 <210> SEQ ID NO: 22
281 <211> LENGTH: 19
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
287     Primer
289 <400> SEQUENCE: 22
290 gactgcgtac caattcact                                   19
292 <210> SEQ ID NO: 23
293 <211> LENGTH: 16
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
299     Primer
301 <400> SEQUENCE: 23
302 gacgatgagt cctgag                                     16
304 <210> SEQ ID NO: 24
305 <211> LENGTH: 14
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
311     Primer
313 <400> SEQUENCE: 24
314 tactcaggac tcat                                       14
316 <210> SEQ ID NO: 25
317 <211> LENGTH: 17
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

```

6

VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/714,820

DATE: 01/30/2004

TIME: 12:16:21

err explanation

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:16; N Pos. 3,6

Seq#:17; N Pos. 3,9,12,15

VERIFICATION SUMMARY

DATE: 01/30/2004

PATENT APPLICATION: US/10/714,820

TIME: 12:16:21

Input Set : D:\SONN043.txt

Output Set: N:\CRF4\01292004\J714820.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:84 M:283 W: Missing Blank Line separator, <400> field identifier
L:217 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:16
L:217 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:16
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:229 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:17
L:229 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:17
L:229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0